

# **ADAPTIVE CHANNELIZATION SCHEME FOR HIGH THROUGHPUT MULTICARRIER SYSTEMS**

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## **ABSTRACT**

Adaptive channelization is achieved in a high throughput multicarrier system by first subdividing a high throughput channel into a number of frequency sub-channels. A channelization decision may then be made within a device as to which of the sub-channels to use for a corresponding high throughput wireless link based on channel  
10 state information.